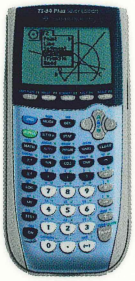
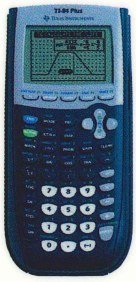
TEXAS INSTRUMENTS

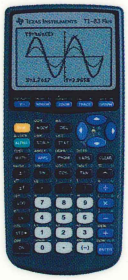
TI-84 Plus Silver Edition



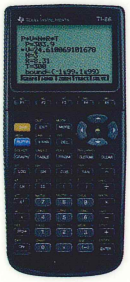
TI-84 Plus



TI-83 Plus



TI-86



TI-89 Titanium

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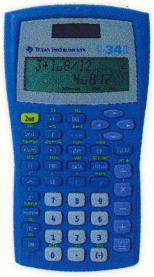
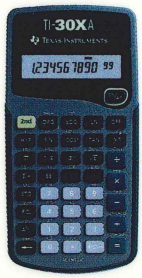
Product Comparison Chart	TI-83 Plus	TI-84 Plus	TI-84 Plus Silver Edition	TI-86	TI-89 Titanium
Memory					
User Available RAM / Flash ROM	24K/160K	24K/480K	24K/1.5M	96K	188K/2.7M
Scrollable Homescreen					■
Prior Entry Recall	Up to 10	Up to 10	Up to 10	Up to 10	Up to 99
Electronic Upgradability	■	■	■		■
Calculator Software Applications	■††	■††	■††		■††
Display					
Display Size Pixels	64 x 96	64 x 96	64 x 96	64 x 128	100 x 160
Lines by Characters	8 x 16	8 x 16	8 x 16	8 x 21	varies
Split Screen	■	■	■		■
Graphing					
Function / Parametric / Polar / Sequence	■	■	■	■	■
Differential Equation and Slope Fields				■	■
RK, Euler, Initial Conditions				■	■
3-D Surfaces, 3D Animation					■
Multiple Graph Styles	■	■	■	■	■
Contour, Implicit Plotting					■
Zoom and Trace	■	■	■	■	■
Table of Function Values	■	■	■	■	■
Mathematics					
Simultaneous Equations Solver	App††	App††	App††	■	■
Polynomial Root Finder	App††	App††	App††	■	■
Complex Numbers	■	■	■	■	■
Bin, Hex Operations				■	■
Logic Operations	■	■	■	■	■
Interactive Equation Solver	■	■	■	■	■
Vector Operations	App	App	App	■	■
Symbolic Manipulation					
Symbolic Algebra and Calculus					■
Symbolic Units of Measure					■
Pretty Print					■
Programming					
User-Defined Programs	■	■	■	■	■
User-Defined Functions					■
Assembly Programming	■	■	■	■	■
Interactive Geometry					
Const, Measure, Transf, Animate	App††	App	App		App††
Trigonometry					
Trig Functions / Hyperbolics	■/■	■/■	■/■	■/■	■/■
Degrees / Radians	■/■	■/■	■/■	■/■	■/■
Statistics					
List Lengths	999†	999†	999†	No Limit†	No Limit†
Number of Lists	No Limit†	No Limit†	No Limit†	No Limit†	No Limit†
Stored Column Formulas	■	■	■	■	■
Named Lists	■	■	■	■	■
Trace Scatter Plots and Histograms	■	■	■	■	■
Regression Models / Sine and Logistics	11/■	12/■	12/■	9/■	10/■
One- and Two-Variable Statistics	■	■	■	■	■
Comb, Perm, Rand Numbers	■	■	■	■	■
Inferential Stat, Probability Distributions	■	■	■		App
Matrices					
Size (equal # of elements)	50 x 50†	50 x 50†	50 x 50†	80 x 80†	99 x 99†
Number	Up to 10	Up to 10	Up to 10	No Limit†	No Limit†
Eigenvalues, Eigenvectors				■	■
LU Decomp. / QR Factorization				■	■/■
Calculus					
Num. Diff / Integration	■/■	■/■	■/■	■/■	■/■
Symbolic Diff, Integration					■
Symbolic ODE's, 1st, 2nd Order					■
Max, Min / Inflection	■/	■/	■/	■/■	■/■
Science					
Physical Constants / Unit Manipulation	App/	App/	App/	■	■/■
Metric Conversions	App	App	App	■	■
DMS<>DD / P<>R	■/■	■/■	■/■	■/■	■/■
Finance					
Interactive TVM Solver	■	■	■		App
Cash Flows, Amortizations	■	■	■		App
Special Features					
Catalog of Functions	■	■	■	■	■
Unit-to-Unit Cable	■	■	■	■	■
Power / Automatic Power Down™	4AAA/■	4AAA/■	4AAA/■	4AAA/■	4AAA/■
Custom User-Defined Menus				■	■
Text Editor	App††	App††	App		■
Accessories					
Computer Connectivity Cable	Available	Included	Included	Available	Included
Data Collection Tools	CBL™ 2/CBR™	CBL 2/CBR	CBL 2/CBR	CBL 2/CBR	CBL 2/CBR
EXPLORATIONS™ Series Books	■	■	■	■	■

†Limited by Available Memory, ††Calculator software available at the TI-Online Store CL5989

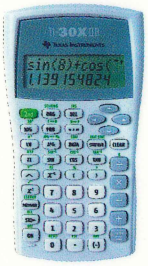
TI-34II



TI-30XA



TI-30X IIB

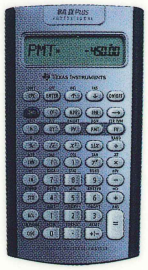


TI-30X IIS

TI-36X Solar

BA II Plus™

BA II Plus™ Professional



Scientific/Financial Comparison Chart

	TI-30xa	TI-34 II	TI-30X IIS TI-30X IIB	TI-36X Solar	BA II Plus™	BA II Plus™ Professional
Display						
Lines / Digits	1/10+2	2/11 Top 10+2 Bottom	2/11 Top 10+2 Bottom	1/10+2	1/10	1/10
General Purpose						
Clear Last Entry / All Clear or Reset	■	■	■	■	■	■
Fixed-place Decimal	■	■	■	■	■	■
Insert / Delete			■		■	■
Scrolling Keys		■	■			
Mathematics						
Random Number and Integer			■		■	■
Operating System	AOS*	EOS*	EOS*	AOS*	AOS*	AOS*
Parenthesis (+/-) or (-)	■	■	■	■	■	■
x^2, $\sqrt{\ }$, y^x, pi(π)	■	■	■	■	■	■
$\sqrt[3]{x}$ / x^3	■/■			/■		
Log, Ln, 10^x, e^x	■	■	■	■		
P->R, R->P, DMS->DD, DD->DMS	■	■	■	■		
nPr, nCr, x!	■		■	■	■	■
Scientific / Engineering Notation	■/■	■/	■/■	■/■	■/	■/
Integer Divide		■				
Symbolic (π)		■	■	■		
Constant						
Operation Key	1	3	1	1	1	1
Fraction Functions						
Basic, Fraction<-> Decimal	■	■	■	■		
Mixed Numbers<->Fractions	■	■	■	■		
Trignometry						
Sin, Cos, Tan and Inverses / Hyperbolic	■	■	■	■	■	■
DEG / RAD	■	■	■	■	■	■
GRAD	■		■	■	■	■
Computer Math						
Dex, Hex, Oct, Binary				■		
Logic Operators				■		
Statistics						
One- and Two-Variable Statistics	One	Two	Two	Two	Two	Two
Mean, Sum, Sum of Squares	■	■	■	■	■	■
Standard Deviations	■		■	■	■	■
Individual Data Elements		■	■		■	■
Slope, Y-Intercept, Calculated x' and y'			■	■	■	■
Linear Regressions				■	■	■
Combinations and Permutations	■			■	■	■
Financial Math						
NPV / NFV					■/	■/■
IRR / MIRR					■/	■/■
Payback / Discount Payback						■/■
Duration / Modified Duration					■/	■/■
Memory						
Store / Recall (MR)	■	■	■		■	■
Sum to Memory (M+)	■			■	■	■
Exchange Display w/ Memory	■			■	■	■
Variable Memory		■(5)	■(5)		10	10
Equation Recall		■	■		■	■
Level of Parenthesis		23	23		15	15
Special Features						
Prior Entry & Last Answer Recall		■	■			
Constant Memory	■		■		■	■
Science						
Physical Constants / Conversions				8/10		
Power						
Solar				■		
Battery	2 Button Cell	1 Lithium	1 Lithium		1 Lithium	1 Lithium
Dual (Solar and Battery)		■	■			

Course to Calculator Guide

* Algebraic Operating System ** Equation Operating System

	TI-83 Plus	TI-84 Plus	TI-84 Plus Silver Edition	TI-86	TI-89 Titanium	TI-30XA	TI-34 II	TI-30X IIS TI-30X IIB	TI-36X Solar	BA II Plus	BA II Plus Professional
General Math						■		■	■		
Middle School Math	■	■	■				■				
Pre Algebra	■	■	■			■	■				
Algebra I & II	■	■	■			■	■	■	■		
Trigonometry	■	■	■			■		■	■		
Geometry		■	■				■	■	■		
"AP*" Statistics	■	■	■		■		■		■		
"AP*" Calculus				■	■			■			
Statistics	■	■	■					■	■		
Calculus I & II				■	■				■		
Pre Calculus			■		■						
Linear Algebra					■						
Differential Equations				■	■				■		
Computer Science	■	■	■	■	■				■		
Engineering			■	■	■				■		
Biology	■	■	■			■	■	■	■		
General Science	■	■	■				■	■	■		
Chemistry		■	■					■	■		
Physics	■	■	■	■	■			■	■		
Finance	■	■	■							■	■
Marketing			■							■	■
Accounting										■	■

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